# PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

PCT

DETAILED EHUWATION

(PCT Article 36 and Rule 70)

-(Rationalised Report according to the Notice of the President of the EPO published in the OJ11/2001)-

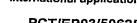
Applicant's or agent's file reference	<u> </u>	· •	
P-IPALCO-001/WO	FOR FURTHER ACTION	See Notification of Transmitt Preliminary Examination Rep	tal of International Port (Form PCT/IPEA/416)
International application No.	International filing date (day/n	nonth/year) Priority date	(day month year)
PCT/EP03/50625	15/09/2003	16/09/20	02
International Patent Classification (IPC) or	national classification and IPC		
	B64F1/00	•	
Applicant			
IPALCO B.V. et al			
This international preliminary exam     Authority and is transmitted to the	nination report has been prepared applicant according to Article 36	l by this International Prelimin	ary Examining
2. This REPORT consists of a total	of sheets, including	this cover sheet.	
(see Rule 70.16 and Section 6	ied by ANNEXES, i.e., sheets of sis for this report and/or sheets conformed of the Administrative Instruct	ODIZINING roctitiontions words be	drawings which have fore this Authority
These annexes consists of a total or	f sheets.		DOMESTIC ATTRIBUTE (I)
3. This report contains indications rel	ating to the following items:	UHH	ECITA
IX Basis of the report		MED	
II Priority	•	VEN	SION
III Non-establishment of o	pinion with regard to novelty, inv	entive step and industrial applic	eability
IV Lack of unity of inventi			
V Reasoned statement und	der Article 35(2) with repard to no	ovelty, inventive step or industr	ial applicability:
citations and explanation	ns supporting such statement		···· •••••••••••••••••••••••••••••••••
VI Certain documents cited	I		•
VII Certain defects in the in	ternational application		
VIII 📈 Certain observations on	the international application		
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Date of submission of the demand		5	
·	Date o	f completion of this report	
29/03/2004	ì	3. 05. 04	wordisches Patentame.
Name and mailing address of the IPEA/	Author	ized officer	way Trop
European Patent Office D-80298 Munich Tel. (+49-89) 2399-0, Tx: 52365 Fax: (+49-89) 2399-4465	Diana	a Portabella Llinares	O luga una
Form PCT/IPEA/409 (cover sheet) P20476 (	October 2002) (13/05/2004	)	Office europee





## PCT/EP03/50625

1.	This re invitati amend	on una	ler Article 14 are referred to in this report as "originally filed	ich have been furnished to the receiving Office in response to an " and are not annexed to the report since they do not contain			
		X	the international application as originally filed				
			the description, pages	` , as originally filed			
			pages .	, filed with the demand			
			pages	filed with the letter of			
			the claims, Nos.	, as originally filed			
			Nos.	, as amended under Article 19			
			Nos.	, filed with the demand			
			Nos.	, filed with the letter of			
			the drawings, sheets / fig.	, as originally filed			
			sheets / fig.	, filed with the demand			
			sheets / fig.	, filed with the letter of			
2.	The am	nendme	ents have resulted in the cancellation of:				
			the description, pages:	-			
			the claims, Nos.				
			the drawings, sheets / fig.				
3.	¤		s report has been established as if (some of) the amendments had not been made, since they have been considered to go ond the disclosure as filed (Rule 70.2 (c)).				
4.	Addition	nal obs	ervations, if necessary:				



Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citation and explanations supporting such statement

Novelty	Claims	1 - 12	YES
	Claims		NO
Inventive Step	Claims	1 - 12	YES
	Claims		NO
Industrial Applicability	Claims	1 - 12	YES
	Claims		NO

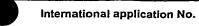
#### 2. Citations and Explanations

The closest prior art is considered to be reflected by GB-A-772 473, which discloses a 1. device for supplying preconditioned air to an aircraft on the ground, comprising: a compressed air inlet; a compressed air hose having a first end connected to said compressed air inlet and an opposite second end for connection to a compressed air unit; expander means downstream of said compressed air inlet for allowing said compressed air to expand to lower pressure and temperature; a connection hose having an end to be connected to an aircraft on the ground.

Object of the invention is to provide a device to provide preconditioned air to an aircraft on the ground that is lighter than known from the prior art and allows to increase the volume of preconditioned air. The solution is to position the compressed air unit on the ground, ie outside the device and to provide an ambient air inlet and a mixing chamberdownstream of the expander allowing to increase the air volume and control the air temperature.

There is no fair suggestion in the available prior art as to mixing ambient air downstream of the expander.





### PCT/EP03/50625

## VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

- 1. The independent Claim 1 is not in a two-part form.
- 2. The closest prior art according to D1 is not acknowledged and commented upon the description such as to allow the skilled person to recognise the contribution of the invention to the prior art.
- 3. The claims are not provided with reference signs.